

# **PCT**

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### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FP98,1815-PC FOR FURTHER AC		ON See Notif	ication of Transmittal of International y Examination Report (Form PCT/IPEA/416)
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)
PCT/US99/16648	22 JULY 1999		22 JULY 1998
International Patent Classification (IPC) IPC(7): A61F 2/44 and US Cl.: 62:		and IPC	
Applicant SPINAL DYNAMICS CORPORATION	N		
Examining Authority and is  2. This REPORT consists of a  This report is also accombeen amended and are the	transmitted to the applitude total of sheets.  panied by ANNEXES, i.e.	cant according to ., sheets of the desc /or sheets containing	cription, claims and/or drawings which have ng rectifications made before this Authority.
These annexes consist of a to	otal of sheets.		• •
These annexes consist of a total of sheets.  3. This report contains indications relating to the following items:  I X Basis of the report  II Priority  III Non-establishment of report with regard to novelty, inventive step or industrial applicability  IV Lack of unity of invention  V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement  VI Certain documents cited  VII Certain defects in the international application  VIII Certain observations on the international application			
Date of submission of the demand  Date of completion of this report			
15 FEBRUARY 2000		02 JUNE 2000	
Name and mailing address of the IPEA.  Commissioner of Patents and Trades Box PCT Washington, D.C. 20231  Facsimile No. (703) 305-3230		Authorized office ALVIN STEV Telephone No.	VART (703) 305-0277



### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US99/16648

l. Ba	sis of th	ie report		
1. With	regard to	the elements of the intern	ational application:*	
$\mathbf{x}$	_	rnational application as		
x	the desc	cription:	-	
X	pages _	-		, as originally filed
	pages _	NONE		, filed with the demand
	pages _		, filed with the letter of	
X	the clai			, as originally filed
	pages _ pages _		, as amended (together with	
	pages _			, filed with the demand
	pages _	<del></del>	, filed with the letter of	
$\mathbf{x}$	the drav	=		
	pages .	1-4		, as originally filed
	pages _	NONE		, filed with the demand
	pages _	NONE	, filed with the letter of	
$\mathbf{x}$	the sea	uence listing part of the	description:	
	nages			, as originally filed
	pages	NONE		, filed with the demand
	pages _	NONE	, filed with the letter of	
	the lang	uage of the translation fur	the international application (under Rule 4 mished for the purposes of international prelimi	
		to any nucleotide and/o	or amino acid sequence disclosed in the inted d out on the basis of the sequence listing:	mational application, the international
	contain	ed in the international	application in printed form.	
	filed to	gether with the interna-	tional application in computer readable for	m.
一	furnish	ed subsequently to this	Authority in written form.	
$\Box$	furnish	ed subsequently to this	Authority in computer readable form.	
	The sta	tement that the subseque ional application as filed	ently furnished written sequence listing does and has been furnished.	not go beyond the disclosure in the
	The stat		n recorded in computer readable form is identi-	cal to the writen sequence listing has
4. X	The an	nendments have resulte	d in the cancellation of:	
	X t	he description, pages	none	
		he claims, Nos.	none	
		he drawings, sheets/fig	none	
5. X		_	(some of) the amendments had not been made,	since they have been considered to go
	bevone	d the disclosure as filed, as	s indicated in the Supplemental Box (Rule 70.2)	(c)).**
in	Jacomont	sheets which have been fun	nished to the receiving Office in response to an in d are not annexed to this report since they do	vitation under Article 14 are referred to
		ment cheet containing suc	h amendments must be referred to under item	1 and annexed to this report.



### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US99/16648

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V. Rea	soned statement under Article 35 tions and explanations supporting	(2) with rega	rd to novelty, inventive step or industrial applicab ent	oility;
l. sta	tement			
	Novelty (N)	Claims	1-21	_ YES
		Claims	none	_ NO
	Inventive Step (IS)	Claims	1.21	VDe
	miventive step (15)	Claims	none	_ YES _ NO
				_
	Industrial Applicability (IA)	Claims	1-21	_ YES
		Claims	none	
2. cita	ations and explanations (Rule 7	(0.7)		
	Claims 1-21 meet the criteria set or	t in PCT Artic	le 33(2)-(4), because the prior art does not teach or fairly	
sugge	st a disc prosthesis comprising a cylindrelastic discs interposed between the uppe	rical housing in	cluding an upper half and a lower half and a plurality of	
715000	number of the poster of week the upper	n man and the	nower hair separate from one another.	
	NEW CITATIONS			
None				
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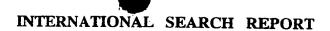
#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT	PCT/US99/16648
Supplemental Box (To be used when the space in any of the preceding boxes is not sufficient)	
Continuation of: Boxes I - VIII	Sheet 10
I. BASIS OF REPORT:	
<ol> <li>(Some) amendments are considered to go beyond the disclosure as filed:</li> <li>N/A</li> </ol>	
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## INTERNATIONAL SEARCH REPORT

IPC(6): US CL: According to B. FIEL Minimum do U.S.: 6	SSIFICATION OF SUBJECT MATTER  : A61F 2/44 : 623/17 o International Patent Classification (IPC) or to both national classification  DS SEARCHED  ocumentation searched (classification system followed by classification 623/17  ion searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the searched other than minimum documentation to the extent that such decay the search of the sea	symbols) ocuments are included in the fields searched
WEST		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the re	levant passages Relevant to claim No.
X E Y	US 5,928,284 A (MEHDIZADEH) 27 July 27 1999 (the wings).	7, Figs. 1 and 5 11, 13-19 11, 4-7
X	US 5,674,294 A (BAINVILLE et al) 07 October 19	97, Fig. 2. 18, 21
X	US 5,674,296 A (BRYAN et al.) 07 October 1997,	Fig. 3. 18, 20
X P Y	US 5,824,093 A (RAY et al.) 20 October 1998, Figs	s. 11a and 11b. 8
X Furthe	er documents are listed in the continuation of Box C. See pa	atent family annex.
"E" earl "L" door cites spect "O" door the a 21 OCTOR	later document considered be of particular relevance  liter document published on or after the international filing date considered by the establish the publication date of another citation or other cital reason (as specified)  comment referring to an oral disclosure, use, exhibition or other ans comment published prior to the international filing date but later than priority date claimed  actual completion of the international search  Date of mailing of the ISA/US mer of Patents and Trademarks  "T"  later document date document on sidered when the principal date and in the principal document considered when the considered combined being obtained.  "A"  Authorized official date of patents and Trademarks.	ment published after the international filing date or priority to in conflict with the application but cited to understand ole or theory underlying the invention of particular relevance; the claimed invention cannot be involve or cannot be considered to involve an inventive step document is taken alone of particular relevance; the claimed invention cannot be to involve an inventive step when the document is with one or more other such documents, such combination ious to a person skilled in the art member of the same patent family  18 NOV 1999
	n, D.C. 20231 O. (703) 305-3230  ALVIN STEV	VART (703) 305-0277



International application No. PCT/US99/16648

C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant p	assages Relevant to claim No.
Y,P	US 5,865,848 A (BAKER) 02 February 1999, Fig. 1A.	10
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- 13		